

K SPORT coilover

K SPORT coilovers are designed and developed for all motoring enthusiasts wanting excellent handling without sacrificing comfort. This suspension system features 33-way adjustable dampening settings and full length adjustment to meet every driver's handling desires. Pillowball mounts and adjustable camber plates are included for front and rear on most kits to increase steering response, while aluminum upper mounts with hardened rubber bushings are used on some applications for noise reduction. This suspension system is ideal for daily driving and occasional track use.

High quality components are adopted to ensure product durability and stability. Each application is fully test fit and completely road tested to guarantee all our customers perfect performance and comfort

- **33-WAY DAMPENING ADJUSTABLE**

This suspension system features 33-way dampening force adjustment (compression/rebound). A wide range of dampening adjustments can be made to provide a variety of responses to different road conditions and to tune the ride feel.

- **PILLOW BALL UPPER MOUNT W/ ADJUSTABLE CAMBER PLATE**

The pillow ball mount with camber plate is included on the front and the rear to offer direct and complete handling response (not available for some applications). Squeaking noise may occur in rare cases from the shock absorbers and this is normal, hence the product warranty does not cover any noise issue. Most suspension kits are fitted with pillow ball upper mounts to improve handling; however, pillow balls on some applications may create rattling sound (metal-to-metal sound, and this can be found on other brands as well). This is normal and it does not affect the product's performance. The product warranty does not cover any rattling sound issue caused by the pillow balls. For those people who dislike the slight noise caused by the pillow ball, we also offer hardened rubber upper mount for noise reduction and enhancement of ride comfort and handling stability. In addition, the pillow ball is consumptive product such as bearing, brake pads, brake rotor, oil seal etc., and it will be worn out after having been used for a certain period; therefore, if you need to replace the worn pillow ball, you can purchase it from us.

- **MONO TUBE INTERNAL DESIGN 12 months limited warranty on insert**

The needle valve piston (material imported from Sweden) is utilized to make the steering more agile and to stabilize the vehicle. A high rigidity 52mm shock body (for MacPherson strut type) with extra oil capacity enables the cushioning force to have optimal linear change. We use highly reputable seal brand – NOK, whose seals can withstand high temperatures and prevent oil leakage. The piston rod is made from high quality S45C steel and is processed with Thermal Refining and High-frequency Induction Hardening Treatments for rigidity and durability. YELLOW SPEED's commitment is to ensure safety and to provide high quality products, hence the shock stroke movement has been tested 10 million times on advanced testing equipment; this amount of testing is equal to a vehicle with 5-years of mileage. Each component of the suspension system is rigorously inspected and strictly tested by YELLOW SPEED to avoid any failure. Our commitment to continual driving improvement goes beyond words.



- **SPRING BEARING MOUNT**

Spring bearing is mounted in the top cap to make the handling more agile and to eliminate the spring noise caused by car cornering. This design enables the spring and the shock to perform together more effectively. Clean and grease the spring bearing periodically to prevent from rust or corrosion, which can make the spring bearing last longer.

The spring bearing is consumptive product such as pillow ball bearing, rubber bushing, brake pads, brake rotor, oil seal etc., and it will be worn out or deformed after having been used for a certain period. Therefore, the warranty does not cover spring bearings or metal shims that go on top and bottom of the spring bearings.

- **HIGH RIGIDITY STEEL SPRING**

The spring is made from high quality SAE9254 steel for optimal durability and high tensile strength. The spring rate remains unchanged and undeformed even after the spring has been subjected to long term wear and even if compressed or extended.

- **ADJUSTABLE SPRING SEAT**

The spring seats are made from forged aluminum for durability and rigidity.

- **SHOCK BODY**

Shock body is coated with Electroplating treatment to prevent rust and corrosion

- **FULL LENGTH ADJUSTABLE**

A steel lower bracket is utilized for MacPherson strut type to increase rigidity for safety (where applicable). For some MacPherson strut models, the brake line bracket is welded manually perfectly to the steel lower mount. A high quality forged alloy aluminum lower bracket is used for Double-A Arm strut type (where applicable). The steel/aluminum lower bracket is processed with electroplated/ anodized surface treatment to prevent corrosion or rust in the harsh conditions of motor sport. The vehicle ride height can be adjusted easily with the lower bracket by winding up and down to drop and raise. With the lower bracket, it allows maximum suspension travel without affecting the shock stroke.

- **LOWER LOCKING COLLAR**

It is made from forged 6061 aluminum for increased strength and rigidity.

- **DEVELOPED DAMPING OIL**

Our formula damping oil contains high quality defoamer to prevent foaming, and the viscosity remains unchanged under any working temperature conditions to ensure that all internal components perform perfectly.

- **Wave Alloy Steel Thrust Washer**

For FRONT MacPherson strut models, wave alloy steel thrust washer is installed between a lower locking collar and a bottom mount. The wave thrust washer can provide a controlled amount of friction between the lower locking collar and the bottom mount to effectively prevent the lower bracket from spinning around or becoming loose